

UNIT PROCESS: Imhoff Tank

1. Number of units: _____ In operation: _____
2. Proper flow distribution between units: ☐ Yes ☐ No ☐ NA
3. Sedimentation chamber:
- A. Influent, effluent baffle systems working properly: ☐ Yes ☐ No*
- B. Evidence of settling problems:
- | | | |
|--------------------------------------|-------------------------------|-----------------------------|
| 1. scum floating on surface | <input type="checkbox"/> Yes* | <input type="checkbox"/> No |
| 2. rising or floating sludge | <input type="checkbox"/> Yes* | <input type="checkbox"/> No |
| 3. short circuiting and/or overloads | <input type="checkbox"/> Yes* | <input type="checkbox"/> No |
- C. Effluent weirs level: ☐ Yes ☐ No*
- Clean: ☐ Yes ☐ No*
- D. Effluent characteristics:
- E. Solids retained in sedimentation chamber moved to digestion chamber: ☐ Yes ☐ No*
- Frequency: _____
- F. Frequency of slot cleaning: _____
- Method: _____
4. Digestion chamber:
- A. Sludge withdrawal:
- | | | |
|--------------------------------------|----------------------------------|----------------------------------|
| 1. method: | <input type="checkbox"/> Gravity | <input type="checkbox"/> Pumping |
| 2. amount/frequency: | | |
| 3. frequency of flushing riser pipe: | | |
- B. Digester chamber pH adjustment:
- | | | |
|----------------------|------------------------------|-----------------------------|
| 1. practiced: | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. chemical used: | | |
| 3. amount/frequency: | | |
- C. Process control testing:
- | | | | |
|---------------------------------|------------------------------|-----------------------------|------|
| 1. reduction of volatile solids | <input type="checkbox"/> Yes | <input type="checkbox"/> No | % |
| 2. volatile acids | <input type="checkbox"/> Yes | <input type="checkbox"/> No | mg/L |
| 3. pH | <input type="checkbox"/> Yes | <input type="checkbox"/> No | s.u. |
| 4. temperature | <input type="checkbox"/> Yes | <input type="checkbox"/> No | °F |
| 5. alkalinity | <input type="checkbox"/> Yes | <input type="checkbox"/> No | mg/L |
| 6. depth of sludge | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| distance below slot: | | | |
| frequency of test: | | | |

UNIT PROCESS: Imhoff Tank (con't.)

D. Gas vent/gas dome:

1. gas collection provided: ☐ Yes ☐ No
if yes, method of utilization:

2. frequency of scum breakup and wetting:

3. evidence of foaming: ☐ Yes* ☐ No

E. Mechanical Equipment (as applicable):

1. digester heated: ☐ Yes ☐ No
heaters operating properly: ☐ Yes ☐ No ☐ NA
recirculating equipment operating properly: ☐ Yes ☐ No ☐ NA
2. sludge collector rakes operating properly: ☐ Yes ☐ No ☐ NA

5. General condition: ☐ Good ☐ Fair ☐ Poor

Comments: